System and Method for a
Configurable Interface Controller

ABSTRACT

A flexible input/output controller logic interfaces

5   with existing input/output controllers (IOC's) in order to
configure the amount of data sent to and received from the
IOC's. The flexible I/O interface receives data from a
component at a rate determined by the particular component.
The flexible I/O interface then feeds the received data to

10   a traditional I/O controller at a rate suitable for the I/O
controller. Thus, the interface to the individual I/O
controllers is maintained. The flexible I/O logic balances
bandwidth between a plurality of individual I/O controllers
in order to better utilize the overall system I/O

15   bandwidth. In one embodiment, the I/O configuration
managed by. the flexible I/O logic is determined during
system-build, while in another embodiment, the I/O
configuration is set during system initialization.